



DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

PROJECT PROPOSAL

Project Title: - Privacy-Preserving Surveillance System.

Project Scope: -

The scope of our project is to design and implement a privacy-preserving surveillance system that uses advanced encryption and anonymization techniques to protect the privacy of individuals while monitoring public spaces.

- We can use privacy-preserving technologies in video analytics surveillance systems which is crucial for protecting individuals' privacy.
- We can determine the technologies and protocols to be used for each component, considering factors such as security, scalability, and interoperability.
- We can identify and implement advanced encryption techniques, such as homomorphic encryption.
- We can develop mechanisms for access control, authentication, and auditing to ensure that only authorized users can access the surveillance data.

The integration of privacy preservation in surveillance systems faces challenges such as maintaining accuracy of analysis while anonymizing individuals and ensuring compliance with privacy regulations. New encryption techniques such as homomorphic encryption and secure multi-party computation can enable the analysis of video data without compromising individuals' privacy.

Requirements: -

- Hardware Requirements: -
Desktop, Laptop
CPU 2.4GHz
RAM 2GB
- Software Requirements: -
Programming Language
Compiler

STUDENTS DETAILS

Name	UID	Signature
Kartik Kumar	21BCS8403	
Pratik Mukherjee	21BCS8404	

APPROVAL AND AUTHORITY TO PROCEED

We approve the project as described above and authorize the team to proceed.

Name	Title	Signature (With Date)
Ms. Sheetal Laroia (E15433)	Supervisor	